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2017

Test 2183: CLAAS Axion 880

Nebraska Tractor Test Laboratory

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NEBRASKA OECD TRACTOR TEST 2183—SUMMARY 1107

CLAAS AXION 880 DIESEL

CONTINUOUSLY VARIABLE TRANSMISSION

POWER TAKE-OFF PERFORMANCE

| Power HP (kW) | Crank shaft speed rpm | Diesel Consumption Gal/hr (l/h) | lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption Gal/hr (l/h) | Mean Atmospheric Conditions |
|---|--------------------------------|--|-----------------------|-----------------------|--|--------------------------------|
| MAXIMUM POWER AND FUEL CONSUMPTION | | | | | | |
| Rated Engine Speed—(PTO speed—1114 rpm) | | | | | | |
| 228.46 (170.36) | 2150 | 12.84 (48.60) | 0.393 (0.239) | 17.79 (3.51) | 0.77 (2.91) | |
| Standard Power Take-off Speed (1000 rpm) | | | | | | |
| 249.34 (185.94) | 1930 | 13.39 (50.68) | 0.376 (0.228) | 18.62 (3.67) | 0.81 (3.06) | |
| Maximum Power (1 hour) | | | | | | |
| 253.72 (189.20) | 1801 | 13.41 (50.77) | 0.370 (0.225) | 18.92 (3.73) | 0.82 (3.11) | |

VARYING POWER AND FUEL CONSUMPTION

| | | | | | | |
|--------------------|------|------------------|------------------|-----------------|----------------|-----------------------|
| 228.46 (170.36) | 2150 | 12.84 (48.60) | 0.393 (0.239) | 17.79 (3.51) | 0.77 (2.91) | Air temperature |
| 196.88 (146.82) | 2181 | 11.37 (43.04) | 0.404 (0.246) | 17.32 (3.41) | 0.69 (2.59) | 76°F (25°C) |
| 148.07 (110.41) | 2185 | 8.84 (33.45) | 0.417 (0.254) | 16.75 (3.30) | 0.53 (2.02) | Relative humidity |
| 98.91 (73.76) | 2188 | 6.53 (24.71) | 0.462 (0.281) | 15.15 (2.99) | 0.43 (1.61) | 66% |
| 49.63 (37.01) | 2192 | 4.40 (16.67) | 0.621 (0.377) | 11.27 (2.22) | 0.28 (1.06) | Barometer |
| 1.81 (1.35) | 2196 | 2.47 (9.34) | 9.548 (5.808) | 0.73 (0.14) | 0.12 (0.47) | 28.53" Hg (96.60 kPa) |

Maximum torque - 837 lb.-ft. (1135 Nm) at 1400 rpm

Maximum torque rise - 50.0%

Torque rise at 1719 engine rpm - 39%

Power increase at 1801 engine rpm - 11.1%

DRAWBAR PERFORMANCE

UNBALLASTED - FRONT DRIVE ENGAGED

FUEL CONSUMPTION CHARACTERISTICS

| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Consumption lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption lb/hp.hr (kg/kW.h) | Temp. °F(°C) cool- ing med | Air dry bulb | Barom. inch Hg (kPa) |
|---|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|--|-------------------------------------|--------------------|-------------------------------|
| Power at Rated Engine Speed—5.6 mph (9.0 km/h)-Manual mode | | | | | | | | | | |
| 192.96 (143.89) | 13376 (59.50) | 5.41 (8.71) | 2150 | 3.2 | 0.470 (0.286) | 14.88 (2.93) | 0.037 (0.023) | 187 (86) | 70 (21) | 28.59 (96.82) |
| 75% of Pull at Rated Engine Speed—5.6 mph (9.0 km/h)-Manual mode | | | | | | | | | | |
| 145.27 (108.32) | 9961 (44.31) | 5.47 (8.80) | 2169 | 2.4 | 0.467 (0.284) | 14.97 (2.95) | 0.041 (0.025) | 198 (92) | 82 (28) | 28.54 (96.65) |
| 50% of Pull at Rated Engine Speed—5.6 mph (9.0 km/h)-Manual mode | | | | | | | | | | |
| 98.09 (73.15) | 6645 (29.56) | 5.54 (8.91) | 2177 | 1.6 | 0.502 (0.305) | 13.93 (2.74) | 0.044 (0.027) | 208 (98) | 83 (28) | 28.54 (96.65) |
| 75% of Pull at Reduced Engine Speed—Auto mode | | | | | | | | | | |
| 145.81 (108.73) | 9942 (44.22) | 5.50 (8.85) | 1293 | 2.4 | 0.411 (0.250) | 17.03 (3.35) | 0.041 (0.025) | 212 (100) | 83 (28) | 28.53 (96.61) |
| 50% of Pull at Reduced Engine Speed—Auto mode | | | | | | | | | | |
| 98.02 (73.09) | 6546 (29.12) | 5.62 (9.04) | 1295 | 1.5 | 0.443 (0.269) | 15.79 (3.11) | 0.043 (0.026) | 210 (99) | 83 (28) | 28.53 (96.61) |

Location of tests: Nebraska Tractor Test Laboratory, University of Nebraska, Lincoln, Nebraska 68583-0832

Dates of tests: September 19 to 29, 2017

Manufacturer: Claas Tractor SAS, 7, rue Dewoitine - BP 92, 78141 Velizy-Villacoublay, Cedex, France

CONSUMABLE Fluids, OIL and TIME: Fuel No. 2 Diesel **Specific gravity converted to 60°/60°F (15°/15°C)** 0.8400 **Fuel weight** 6.994 lbs/gal (0.838 kg/l) **Diesel Exhaust Fluid (DEF)** 32% aqueous urea solution **DEF weight** 9.071 lbs/gal (1.087 kg/l) **Oil SAE 10W40 API service classification** CJ-4 **Transmission lubricant** Claas Agrishift GA12 fluid **Hydraulic lubricant** Claas Agrishift GA12 fluid **Front axle lubricant** Claas Agrishift BLS 90 API GL-5 **Total time engine was operated:** 23.0 hours

ENGINE: Make F.P.T. Diesel **Type** six cylinder vertical with turbocharger, air to air intercooler and D.E.F. (diesel exhaust fluid) exhaust treatment. **Serial No.** *001486287* **Crankshaft** lengthwise **Rated engine speed** 2150 **Bore and stroke** 4.094" x 5.197" (104.0 mm x 132.0 mm) **Compression ratio** 17.5 to 1 **Displacement** 410 cu in (6728 ml) **Starting system** 12 volt **Lubrication** pressure **Air cleaner** two paper elements and aspirator **Oil filter** one full flow cartridge **Oil cooler** engine coolant heat exchanger for crankcase oil, radiator for hydraulic and transmission oil **Fuel filter** two paper elements **Fuel cooler** radiator for pump return fuel **Exhaust** DOC (diesel oxidation catalyst) and SCR (selective catalyst reduction) integrated within a vertical muffler **Cooling medium temperature control** thermostat and variable speed fan

ENGINE OPERATING PARAMETERS: Fuel rate: 89.6 - 94.2 lb/h (40.6 - 42.7 kg/h) **High idle:** 2180 - 2220 rpm **Turbo boost:** nominal 18.9 - 21.8 psi (130 - 150 kPa) as measured 19.7 psi (136 kPa)

CHASSIS: Type front wheel assist with duals **Serial No.** *A4102767* **Tread width** rear 61.4" (1560 mm) to 124.0" (3150 mm) front 61.0" (1550 mm) to 88.6" (2250 mm) **Wheelbase** 117.3" (2980 mm) **Hydraulic control system** direct engine drive **Transmission** Infinitely variable with four mechanical ranges and automatic shifting between ranges. **Nominal travel speeds mph (km/h)** forward - 0 - 30.0 mph (0 - 50 km/h), reverse - 0 - 30.0 mph (0 - 50 km/h) **Clutch** multiple wet disc electrohydraulically operated by foot pedal **Brakes** wet disc hydraulically operated by two foot pedals that can be locked together **Steering** hydrostatic **Power take-off** 540 rpm at 1890 engine rpm or 1000 rpm at 1930 or 1594 engine rpm **Unladen tractor mass** 24055 lb (10911 kg)

DRAWBAR PERFORMANCE
UNBALLASTED - FRONT DRIVE ENGAGED
MANUAL MODE - 2150 ENGINE RPM
DRAWBAR POWER AT SELECTED TRAVEL SPEED SETTINGS

| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Consumption lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption lb/hp.hr (kg/kW.h) | Temp.°F(°C) cool- ing med | Air dry bulb | Barom. inch Hg (kPa) |
|----------------------|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|--|------------------------------------|--------------------|-------------------------------|
| 2.5 mph (4.0 km/h) | | | | | | | | | | |
| 133.48 (99.54) | 23316 (103.71) | 2.15 (3.46) | 2168 | 14.2 | 0.555 (0.338) | 12.60 (2.48) | 0.049 (0.030) | 196 (91) | 54 (12) | 28.87 (97.77) |
| 3.1 mph (5.0 km/h) | | | | | | | | | | |
| 169.44 (126.33) | 22163 (98.58) | 2.87 (4.62) | 2163 | 8.2 | 0.510 (0.310) | 13.71 (2.70) | 0.046 (0.028) | 192 (89) | 54 (12) | 28.87 (97.77) |
| 3.7 mph (6.0 km/h) | | | | | | | | | | |
| 183.40 (136.76) | 19430 (86.43) | 3.54 (5.70) | 2150 | 5.3 | 0.479 (0.291) | 14.61 (2.88) | 0.042 (0.026) | 191 (88) | 56 (13) | 28.88 (97.80) |
| 4.2 mph (6.8 km/h) | | | | | | | | | | |
| 190.39 (141.97) | 17794 (79.15) | 4.01 (6.45) | 2150 | 4.5 | 0.478 (0.291) | 14.64 (2.88) | 0.043 (0.026) | 193 (89) | 55 (13) | 28.89 (97.83) |
| 4.7 mph (7.5 km/h) | | | | | | | | | | |
| 185.81 (138.55) | 15686 (69.77) | 4.44 (7.15) | 2150 | 4.0 | 0.489 (0.298) | 14.30 (2.82) | 0.038 (0.023) | 188 (86) | 66 (19) | 28.59 (96.82) |
| 5.1 mph (8.2 km/h) | | | | | | | | | | |
| 188.76 (140.76) | 13959 (62.09) | 5.07 (8.16) | 2150 | 3.4 | 0.483 (0.294) | 14.49 (2.85) | 0.038 (0.023) | 187 (86) | 70 (21) | 28.59 (96.82) |
| 5.6 mph (9.0 km/h) | | | | | | | | | | |
| 192.96 (143.89) | 13376 (59.50) | 5.41 (8.71) | 2150 | 3.2 | 0.470 (0.286) | 14.88 (2.93) | 0.037 (0.023) | 187 (86) | 70 (21) | 28.59 (96.82) |
| 6.2 mph (10.0 km/h) | | | | | | | | | | |
| 195.31 (145.64) | 12135 (53.98) | 6.04 (9.71) | 2150 | 2.9 | 0.465 (0.283) | 15.03 (2.96) | 0.036 (0.022) | 187 (86) | 70 (21) | 28.59 (96.82) |
| 6.8 mph (11.0 km/h) | | | | | | | | | | |
| 197.80 (147.50) | 11106 (49.40) | 6.68 (10.75) | 2150 | 2.7 | 0.459 (0.279) | 15.22 (3.00) | 0.036 (0.022) | 187 (86) | 72 (22) | 28.59 (96.82) |
| 7.5 mph (12.0 km/h) | | | | | | | | | | |
| 196.62 (146.62) | 10146 (45.13) | 7.27 (11.70) | 2150 | 2.5 | 0.460 (0.280) | 15.20 (2.99) | 0.036 (0.022) | 186 (86) | 74 (23) | 28.59 (96.82) |
| *8.2 mph (13.2 km/h) | | | | | | | | | | |
| 200.30 (149.36) | 9291 (41.33) | 8.09 (13.01) | 2150 | 2.2 | 0.465 (0.283) | 15.05 (2.96) | 0.036 (0.022) | 191 (88) | 74 (23) | 28.59 (96.82) |

*boosted power mode

REPAIRS AND ADJUSTMENTS: No repairs or adjustments.

NOTE 1: This engine on this model derates at travel speeds below 4.0 mph(6.4 km/h).

NOTE 2: The engine on this tractor operates in a boosted power mode (increased fuel rate) at various combinations of travel speeds and PTO loads.

REMARKS: All test results were determined from observed data obtained in accordance with official OECD, SAE and Nebraska test procedures. The manufacturer's hydraulic pump flow claim of 40 GPM was not verified. The manufacturer's claim of 261 PTO Hp, in boosted mode, was not verified. The performance results on this summary were taken from a test conducted under the OECD Code 2 test procedure.

We, the undersigned, certify that this is a true and correct report of official Tractor Test No. **2183**, Nebraska Summary 1107, December 11, 2017.

Roger M. Hoy
Director

M.F. Kocher
S.K. Pitla
J.D. Luck
Board of Tractor Test Engineers

| TRACTOR SOUND LEVEL WITH CAB | Front Wheel Drive | |
|--|--------------------------|-----------------------------|
| | Engaged dB(A) | Disengaged dB(A) |
| At no load at 4.6 mph (7.5 km/h) engine speed - 2190 rpm | 70.3 | 70.1 |
| At no load at 4.6 mph (7.5 km/h) engine speed - 1260 rpm | 62.4 | 61.8 |
| Bystander | | 83.3 |

Horizontal distance of drawbar hitch point behind rear wheel axis - 38.5"(978 mm)

TIRES AND WEIGHT

Rear Tires - No., size, ply & psi(kPa)
Front Tires - No., size, ply & psi(kPa)
Height of Drawbar
Static Weight with operator - Rear
- Front
- Total

Tested Without Ballast

Four 480/80R46;***;12(85)
Two 380/85R34;***;23(160)
20.5 in (520 mm)
14655 lb (6647 kg)
9575 lb (4343 kg)
24230 lb(10990 kg)

DRAWBAR PERFORMANCE

UNBALLASTED - FRONT DRIVE ENGAGED

AUTOMATIC MODE(Loads based on 2150 engine rpm manual mode performance runs)

| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Consumption | | D.E.F. Consumption | Temp. ^{°F(°C)} cool- ing med | Air dry bulb | Barom. inch Hg (kPa) |
|---------------------|--------------------------------|------------------------|---------------------------------|-----------|----------------------|-----------------|-----------------------|--|--------------------|-------------------------------|
| | | | | | 3.7 mph (6.0 km/h) | | | | | |
| 182.05 (135.75) | 19766 (87.92) | 3.46 (5.57) | 1574 | 5.6 | 0.455 (0.277) | 15.36 (3.03) | 0.042 (0.025) | 199 (93) | 58 (14) | 28.90 (97.87) |
| | | | | | 4.2 mph (6.8 km/h) | | | | | |
| 190.43 (142.00) | 17893 (79.59) | 4.00 (6.43) | 1511 | 4.7 | 0.438 (0.267) | 15.95 (3.14) | 0.039 (0.024) | 197 (92) | 58 (15) | 28.90 (97.87) |
| | | | | | 4.7 mph (7.5 km/h) | | | | | |
| 185.19 (138.09) | 15679 (69.74) | 4.43 (7.13) | 1466 | 3.8 | 0.422 (0.257) | 16.57 (3.26) | 0.038 (0.023) | 207 (97) | 77 (25) | 28.55 (96.68) |
| | | | | | 5.2 mph (8.4 km/h) | | | | | |
| 188.13 (140.28) | 14184 (63.09) | 4.97 (8.00) | 1470 | 3.4 | 0.423 (0.257) | 16.54 (3.26) | 0.037 (0.023) | 208 (98) | 78 (26) | 28.56 (96.72) |
| | | | | | 5.7 mph (9.2 km/h) | | | | | |
| 192.63 (143.64) | 13188 (58.66) | 5.48 (8.82) | 1484 | 3.1 | 0.426 (0.259) | 16.42 (3.23) | 0.036 (0.022) | 207 (97) | 78 (26) | 28.56 (96.72) |
| | | | | | 6.2 mph (10.0 km/h) | | | | | |
| 195.22 (145.57) | 12179 (54.17) | 6.02 (9.68) | 1538 | 2.9 | 0.425 (0.258) | 16.47 (3.24) | 0.039 (0.023) | 203 (95) | 78 (26) | 28.56 (96.72) |
| | | | | | 6.8 mph (11.0 km/h) | | | | | |
| 197.76 (147.47) | 11158 (49.63) | 6.65 (10.69) | 1541 | 2.6 | 0.430 (0.261) | 16.27 (3.21) | 0.037 (0.022) | 204 (95) | 81 (27) | 28.55 (96.68) |
| | | | | | 7.5 mph (12.0 km/h) | | | | | |
| 196.24 (146.34) | 10253 (45.61) | 7.18 (11.56) | 1583 | 2.4 | 0.438 (0.267) | 15.95 (3.14) | 0.036 (0.022) | 206 (96) | 81 (27) | 28.55 (96.68) |
| | | | | | *8.2 mph (13.2 km/h) | | | | | |
| 200.09 (149.20) | 9405 (41.84) | 7.98 (12.84) | 1533 | 2.2 | 0.435 (0.265) | 16.08 (3.17) | 0.036 (0.022) | 208 (98) | 82 (28) | 28.55 (96.68) |

*boosted power mode

DRAWBAR PERFORMANCE

UNBALLASTED - FRONT DRIVE ENGAGED

MANUAL MODE - 1800 ENGINE RPM

DRAWBAR POWER AT SELECTED TRAVEL SPEED SETTINGS

| Power Hp (kW) | Drawbar pull lbs (kN) | Speed mph (km/h) | Crank- shaft speed rpm | Slip % | Fuel Consumption lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption lb/hp.hr (kg/kW.h) | Temp.°F(°C) cool- ing med | Air dry bulb | Barom. inch Hg (kPa) |
|----------------------|--------------------------------|------------------------|---------------------------------|-----------|---|-----------------------|--|------------------------------------|--------------------|-------------------------------|
| 2.5 mph (4.0 km/h) | | | | | | | | | | |
| 133.75 (99.73) | 23331 (103.78) | 2.15 (3.46) | 2168 | 14.1 | 0.562 (0.342) | 12.46 (2.45) | 0.049 (0.030) | 196 (91) | 54 (12) | 28.87 (97.77) |
| 3.1 mph (5.0 km/h) | | | | | | | | | | |
| 169.53 (126.42) | 22178 (98.65) | 2.87 (4.62) | 2163 | 8.3 | 0.512 (0.311) | 13.67 (2.69) | 0.045 (0.028) | 192 (89) | 54 (12) | 28.87 (97.77) |
| 3.7 mph (6.0 km/h) | | | | | | | | | | |
| 189.53 (141.33) | 20917 (93.04) | 3.40 (5.47) | 2086 | 6.3 | 0.483 (0.294) | 14.47 (2.85) | 0.042 (0.025) | 194 (90) | 55 (13) | 28.88 (97.80) |
| 4.2 mph (6.8 km/h) | | | | | | | | | | |
| 200.19 (149.28) | 19869 (88.38) | 3.78 (6.08) | 2045 | 5.5 | 0.477 (0.290) | 14.66 (2.89) | 0.042 (0.025) | 195 (91) | 55 (13) | 28.90 (97.87) |
| 4.7 mph (7.6 km/h) | | | | | | | | | | |
| 201.55 (150.30) | 17917 (79.70) | 4.22 (6.79) | 2008 | 4.6 | 0.476 (0.289) | 14.70 (2.90) | 0.041 (0.025) | 197 (92) | 56 (13) | 28.90 (97.87) |
| 5.1 mph (8.2 km/h) | | | | | | | | | | |
| 208.10 (155.18) | 17123 (76.17) | 4.56 (7.34) | 1974 | 4.3 | 0.463 (0.281) | 15.11 (2.98) | 0.040 (0.024) | 196 (91) | 55 (13) | 28.90 (97.87) |
| 5.6 mph (9.0 km/h) | | | | | | | | | | |
| 212.85 (158.72) | 16535 (73.55) | 4.83 (7.77) | 1926 | 4.1 | 0.450 (0.273) | 15.56 (3.06) | 0.041 (0.025) | 196 (91) | 56 (13) | 28.90 (97.87) |
| 6.2 mph (10.0 km/h) | | | | | | | | | | |
| 217.68 (162.32) | 15379 (68.41) | 5.31 (8.55) | 1904 | 3.8 | 0.438 (0.266) | 15.97 (3.15) | 0.038 (0.023) | 193 (89) | 57 (14) | 28.90 (97.87) |
| 6.8 mph (11.0 km/h) | | | | | | | | | | |
| 223.82 (166.90) | 15005 (66.75) | 5.59 (9.00) | 1800 | 3.7 | 0.425 (0.259) | 16.44 (3.24) | 0.037 (0.022) | 190 (88) | 59 (15) | 28.90 (97.87) |
| 7.5 mph (12.0 km/h) | | | | | | | | | | |
| 223.74 (166.84) | 13840 (61.56) | 6.06 (9.75) | 1800 | 3.4 | 0.426 (0.259) | 16.41 (3.23) | 0.037 (0.023) | 190 (88) | 59 (15) | 28.90 (97.87) |
| 8.2 mph (13.2 km/h) | | | | | | | | | | |
| 222.43 (165.87) | 12344 (54.91) | 6.76 (10.88) | 1800 | 3.1 | 0.428 (0.260) | 16.33 (3.22) | 0.037 (0.022) | 190 (88) | 60 (16) | 28.89 (97.83) |
| 8.9 mph (14.4 km/h) | | | | | | | | | | |
| 218.19 (162.70) | 11107 (49.40) | 7.37 (11.85) | 1800 | 2.8 | 0.437 (0.266) | 15.99 (3.15) | 0.038 (0.023) | 191 (88) | 60 (16) | 28.90 (97.87) |
| *9.9 mph (16.0 km/h) | | | | | | | | | | |
| 221.33 (165.04) | 10129 (45.06) | 8.19 (13.18) | 1800 | 2.5 | 0.459 (0.279) | 15.25 (3.00) | 0.038 (0.023) | 197 (91) | 60 (16) | 28.90 (97.87) |

*boosted power mode

Shiftable PTO Performance

Economy mode

1000 PTO rpm @ 1594 engine rpm

| Power HP (kW) | Crank shaft speed rpm | Diesel Consumption Gal/hr (l/h) | lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption Gal/hr (l/h) |
|---------------------|--------------------------------|--|-----------------------|-----------------------|--|
| 243.89 (181.87) | 1595 | 12.71 (48.10) | 0.364 (0.222) | 19.19 (3.78) | 0.85 (3.22) |
| 182.38 (136.00) | 1591 | 9.62 (36.41) | 0.369 (0.224) | 18.96 (3.74) | 0.64 (2.41) |
| 121.57 (90.66) | 1591 | 6.72 (25.43) | 0.387 (0.235) | 18.09 (3.56) | 0.46 (1.72) |
| 60.86 (45.39) | 1591 | 3.92 (14.82) | 0.450 (0.274) | 15.54 (3.06) | 0.30 (1.14) |
| 1.51 (1.12) | 1591 | 1.72 (6.51) | 7.983 (4.856) | 0.88 (0.17) | 0.11 (0.43) |

Normal mode

1000 PTO rpm @ 1930 engine rpm

| Power HP (kW) | Crank shaft speed rpm | Diesel Consumption Gal/hr (l/h) | lb/hp.hr (kg/kW.h) | Hp.hr/gal (kW.h/l) | D.E.F. Consumption Gal/hr (l/h) |
|---------------------|--------------------------------|--|-----------------------|-----------------------|--|
| 244.38 (182.23) | 1934 | 13.11 (49.64) | 0.375 (0.228) | 18.64 (3.67) | 0.86 (3.26) |
| 183.16 (136.58) | 1934 | 10.10 (38.24) | 0.386 (0.235) | 18.13 (3.57) | 0.66 (2.50) |
| 121.93 (90.92) | 1934 | 7.17 (27.12) | 0.411 (0.250) | 17.02 (3.35) | 0.47 (1.80) |
| 61.02 (45.51) | 1934 | 4.38 (16.56) | 0.502 (0.305) | 13.95 (2.75) | 0.32 (1.23) |
| 1.56 (1.16) | 1934 | 1.84 (6.97) | 8.257 (5.023) | 0.85 (0.17) | 0.12 (0.44) |

HYDRAULIC PERFORMANCE

CATEGORY: III

Quick Attach: Yes

OECD Static test

Maximum force exerted through whole range: 17635 lbs (78.4 kN)
three outlet sets combined

i) Sustained pressure at compensator cutoff: 2761 psi (190 bar)

ii) Pump delivery rate at minimum pressure and rated engine speed: 39.1 GPM (148.0 l/min)

iii) Pump delivery rate at maximum hydraulic power: 36.6 GPM (138.4 l/min)

Delivery pressure: 2482 psi (171 bar)

Power: 53.0 HP (39.5 kW)

single outlet set

i) Sustained pressure at compensator cutoff: 2753 psi (190 bar)

ii) Pump delivery rate at minimum pressure and rated engine speed: 29.8 GPM (113.0 l/min)

iii) Pump delivery rate at maximum hydraulic power: 28.2 GPM (106.7 l/min)

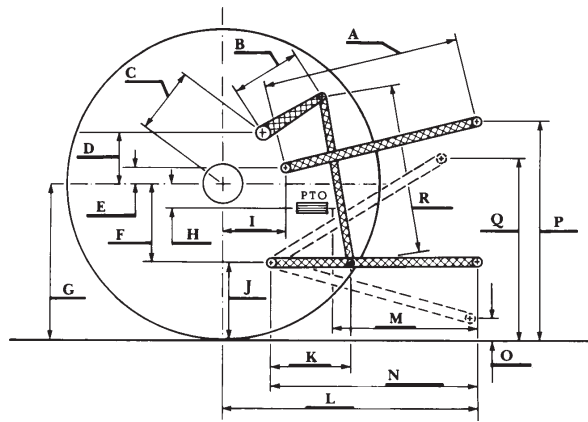
Delivery pressure: 2327 psi (160 bar)

Power: 38.3 HP (28.5 kW)

HITCH DIMENSIONS AS TESTED—NO LOAD

| | inch | mm |
|-----|------|------|
| A | 32.9 | 835 |
| B | 15.7 | 400 |
| C | 20.7 | 525 |
| D | 19.1 | 485 |
| E | 11.6 | 295 |
| F | 12.2 | 310 |
| G | 36.4 | 925 |
| H | 2.9 | 74 |
| I | 16.9 | 430 |
| J | 24.2 | 615 |
| K | 25.4 | 646 |
| L | 51.1 | 1298 |
| *L' | 56.6 | 1438 |
| M | 27.6 | 701 |
| N | 40.9 | 1040 |
| O | 9.1 | 230 |
| P | 43.1 | 1095 |
| Q | 39.6 | 1005 |
| R | 38.6 | 980 |

*L' to Quick Attach ends



NTTL.(2017). Nebraska OECD tractor test 2183 for Claas Axion 880 Diesel.

Lincoln, NE:Nebraska Tractor Test Laboratory. Retrieved from <http://tractortestlab.unl.edu>



CLAAS AXION 880 DIESEL